

1652

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RAW SEQUENCE LISTING DATE: 06/09/2000
 PATENT APPLICATION: US/09/277,229 TIME: 14:04:48

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3 <110> APPLICANT: Citron, Martin
 4 Vassar, Robert J.
 5 Bennett, Brian D.
 7 <120> TITLE OF INVENTION: Beta Secretase Genes and Polypeptides
 9 <130> FILE REFERENCE: A-581
 11 <140> CURRENT APPLICATION NUMBER: 09/277,229
 12 <141> CURRENT FILING DATE: 1999-03-26
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133 35 40 45
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142 85 90 95
144 Ser Asn Phe Ala Val Gly Ala Ala Pro His Pro Phe Leu His Arg Tyr
145 100 105 110
147 Tyr Gln Arg Gln Leu Ser Ser Thr Tyr Arg Asp Leu Arg Lys Gly Val
148 115 120 125
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151 130 135 140
153 Leu Val Ser Ile Pro His Gly Pro Asn Val Thr Val Arg Ala Asn Ile
154 145 150 155 160
156 Ala Ala Ile Thr Glu Ser Asp Lys Phe Phe Ile Asn Gly Ser Asn Trp
157 165 170 175
159 Glu Gly Ile Leu Gly Leu Ala Tyr Ala Glu Ile Ala Arg Pro Asp Asp
160 180 185 190
162 Ser Leu Glu Pro Phe Phe Asp Ser Leu Val Lys Gln Thr His Val Pro
163 195 200 205
165 Asn Leu Phe Ser Leu Gln Leu Cys Gly Ala Gly Phe Pro Leu Asn Gln
166 210 215 220
168 Ser Glu Val Leu Ala Ser Val Gly Gly Ser Met Ile Ile Gly Gly Ile
169 225 230 235 240
171 Asp His Ser Leu Tyr Thr Gly Ser Leu Trp Tyr Thr Pro Ile Arg Arg
172 245 250 255
174 Glu Trp Tyr Tyr Glu Val Ile Ile Val Arg Val Glu Ile Asn Gly Gln
175 260 265 270
177 Asp Leu Lys Met Asp Cys Lys Glu Tyr Asn Tyr Asp Lys Ser Ile Val
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180 Asp Ser Gly Thr Thr Asn Leu Arg Leu Pro Lys Lys Val Phe Glu Ala
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192 Thr Asn Gln Ser Phe Arg Ile Thr Ile Leu Pro Gln Gln Tyr Leu Arg
193 355 360 365
195 Pro Val Glu Asp Val Ala Thr Ser Gln Asp Asp Cys Tyr Lys Phe Ala
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198 Ile Ser Gln Ser Ser Thr Gly Thr Val Met Gly Ala Val Ile Met Glu
199 385 390 395 400
201 Gly Phe Tyr Val Val Phe Asp Arg Ala Arg Lys Arg Ile Gly Phe Ala
202 405 410 415
204 Val Ser Ala Cys His Val His Asp Glu Phe Arg Thr Ala Ala Val Glu
205 420 425 430
207 Gly Pro Phe Val Thr Leu Asp Met Glu Asp Cys Gly Tyr Asn Ile Pro
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210 Gln Thr Asp Glu Ser Thr Leu Met Thr Ile Ala Tyr Val Met Ala Ala
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213 Ile Cys Ala Leu Phe Met Leu Pro Leu Cys Leu Met Val Cys Gln Trp
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245 85 90 95
247 Ser Asn Phe Ala Val Gly Ala Ala Pro His Pro Phe Leu His Arg Tyr
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263 180 185 190
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268 Asn Ile Phe Ser Leu Gln Leu Cys Gly Ala Gly Phe Pro Leu Asn Gln
269 210 215 220
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295 Thr Asn Gln Ser Phe Arg Ile Thr Ile Leu Pro Gln Gln Tyr Leu Arg
296 355 360 365
298 Pro Val Glu Asp Val Ala Thr Ser Gln Asp Asp Cys Tyr Lys Phe Ala
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307 Val Ser Ala Cys His Val His Asp Glu Phe Arg Thr Ala Ala Val Glu
308 420 425 430
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313 Gln Thr Asp Glu Ser Thr Leu Met Thr Ile Ala Tyr Val Met Ala Ala
314 450 455 460
316 Ile Cys Ala Leu Phe Met Leu Pro Leu Cys Leu Met Val Cys Gln Trp
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